

ABSTRACT

5 A color toner composition for developing latent electrostatic images
includes nanopowder-coated toner particles, the powder-coated toner particles
being characterized in that each comprises a core toner particle having a volume
average diameter, D_p , and the core toner particles have affixed to their surfaces a
plurality of discrete colorant powder particles having a volume average diameter,
10 d_p , wherein the ratio of D_p/d_p is at least about 5 and the weight fraction of colorant
powder particles is at least about 0.01 based on the combined weight of core toner
particles and colorant powder particles. Preferably, the weight fraction of colorant
powder particles is from about 0.3 to about 3 times the product, $(\rho_p/\rho_r) (d/r)$
 $(1+d/r)^2$, where ρ_p is the density of the colorant powder particles, ρ_r the density of
15 the core resin particles, d , the volumetric mean diameter of the colorant powder
particles and r the volumetric mean radius of the toner core resin particles.